

Project Tracking Functionality

CALIFORNIA WETLANDS

California
South Coast
Project List
Map
Submittal
Decisions
Decision/Assess
Notified/Informed
Public Wetlands Project

South Coast Project List

Project	Status	County
Haystack Area Boulder Creek Ridge Acquisition and Drainage Restoration <input type="button" value="MAP"/>	Contributions In Progress	Orange
San Juan Bautia and Moss Creek Restoration <input type="button" value="MAP"/>	Contributions completed	Santa Barbara
Alameda County Wetlands Restoration <input type="button" value="MAP"/>	Contributions planned	Los Angeles
California Wetlands Restoration Planning <input type="button" value="MAP"/>	Contributions In Progress	Los Angeles
Redfin River Wetlands Restoration <input type="button" value="MAP"/>	Contributions completed	Orange
Donner Vista Creek Acquisition, Channel Repair <input type="button" value="MAP"/>	Contributions completed	San Diego
Donner Vista Lagoon Delta Ecological Reserve Restoration Planning <input type="button" value="MAP"/>	Contributions In Progress	San Diego
Indirect Creek at Bosque for Rio Hondo P <input type="button" value="MAP"/>	Contributions planned	Los Angeles
Carpenter Creek Marsh, Basin 1 Imperviousness <input type="button" value="MAP"/>	Contributions completed	Santa Barbara
Cattle Canyon <input type="button" value="MAP"/>	Contributions planned	Los Angeles
Crescent Marsh <input type="button" value="MAP"/>	Contributions completed	San Diego
Deerwood Slough Restoration <input type="button" value="MAP"/>	Contributions completed	Santa Barbara
El Dorado North Center Reserve <input type="button" value="MAP"/>	Contributions planned	Los Angeles
Huntington Ranch Wetlands Restoration Plan <input type="button" value="MAP"/>	Contributions planned	Orange
Lafayette Wetlands <input type="button" value="MAP"/>	Contributions planned	Los Angeles

The screenshot shows the California Wetlands Portal interface. The map displays the Santa Monica Bay area with a red star indicating the location of the Santa Monica Bay Redfish and Phase 3 Creek. A red circle highlights the 'Wetland Boundary' on the map. The map includes a scale bar, a north arrow, and a legend for various wetland types and boundaries.

California Wetlands Portal | South Coast - Project Information - Wetlands Database

File Edit View History Bookmarks Search Tools Help

[http://www.californiawetlands.net/tracker/view/?view=11208](#)
[http://www.californiawetlands.net/tracker/view/?view=11208](#)

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California Wetlands Portal Search

CALIFORNIA WETLANDS

California South Coast
 Project List
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 Getting Started
 Background Info on Wetlands
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 Project Exporters
 Project Importers
 Project Agents
 Project Brokers
 Project Consultants
 Project Engineers
 Project Architects
 Project Planners
 Project Designers
 Project Builders
 Project Contractors
 Project Subcontractors
 Project Vendors
 Project Suppliers
 Project Partners
 Project Suppliers
 Project Partners
 Project Suppliers
 Project Partners

Arroyo Burro Estuary and Mesa Creek Restoration

Basic Info **Links & Maps**

Status: Construction completed
 County: Santa Barbara
 Location: S 2517774 N 119 738257 W **WABR**
 Project type: Wet mitigation
 Project info: 1 1 2000

Project Identification

ID: 100-2004-0227-09
 2003-01-10-001
 4-04-0000
 Estimated: 1000000
 Estimated: 1000000

Type: CDD - Streambed Alteration Agreement
 LMAC - Information Permit
 CDD - Coastal Development Permit
 RMC - Project Number Identification
 RMC - Contributor Letter ID Number

Habitat Plan

Activity: Enhancement
 Action: Enhancement
 Duration: 0.5
 Location: 0.5
 Monitoring: 0.5
 Reporting: 0.5

Related Habitat Impacts

Habitat: 1000000
 Action: Enhancement
 Duration: 0.5
 Location: 0.5
 Monitoring: 0.5
 Reporting: 0.5

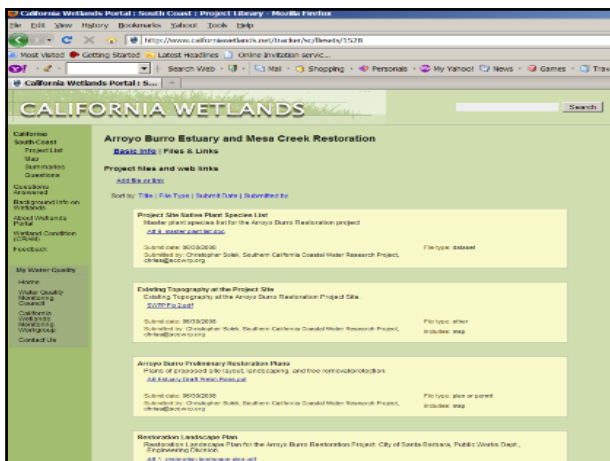
Historical Habitats

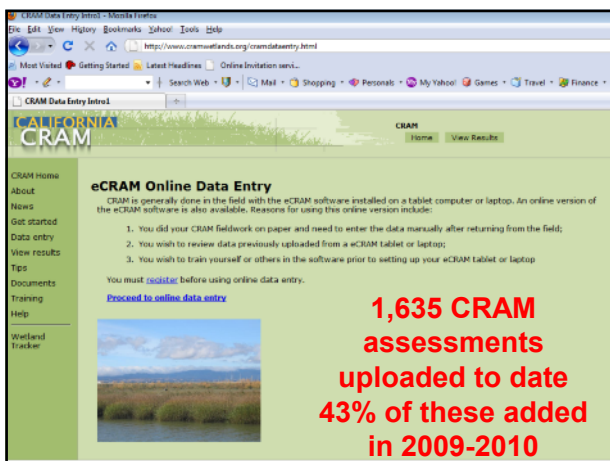
Habitat: 1000000
 Action: Enhancement
 Duration: 0.5
 Location: 0.5
 Monitoring: 0.5
 Reporting: 0.5

Sites

Status: 1000000
 Action: Enhancement
 Duration: 0.5
 Location: 0.5
 Monitoring: 0.5
 Reporting: 0.5

3





What is eCRAM?

- Web-based, open-source
- Data management and transfer
- Standard formatting
- Depository for CRAM scores
- Web-based viewer for CRAM results
- Runs online on CRAM website or can be loaded and run on local computer



After Field Assessment: Input CRAM data

eCRAM Online Data Entry

CRAM is generally used in the field with the offline software installed on a tablet computer or laptop. An online version of the eCRAM software is also available. Select the appropriate version to use.

1. You do your data collection on paper and need to enter the data manually after returning from the field.
2. You wish to review data previously uploaded from eCRAM online or laptop.
3. You wish to train yourself or others in the software prior to setting up your eCRAM laptop or laptop.

You must **validate** before using online data entry.

[Proceed to online data entry](#)

Note: Registration is required in order to enter assessment data

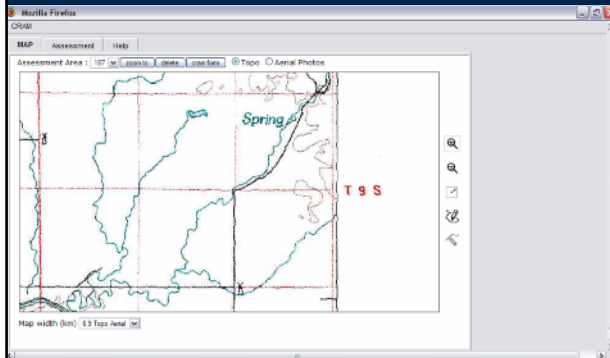
Prepare to enter Field Assessment: Zoom to site

Assessment Area: 107 | [Home](#) | [Data Entry](#) | [View Reports](#) | [Help](#)

Map width (km): 2201.31

Select "zoom" tool and draw box in desired region. When in region, "map width" drop-down can be used to help find the area of interest.

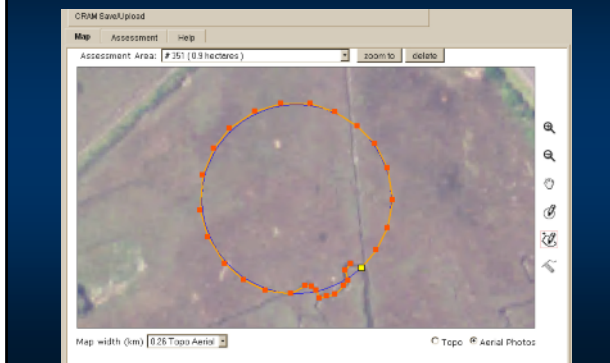
Prepare to enter Field Assessment: Examine topographic maps



Prepare to enter Field Assessment: Examine aerial imagery



Draw Assessment Area boundary



Select wetland assessment type

eCRM

Map
Assessment
Help

Select Wetland Type

Estuarine Saline (Channel banks are dominated by salt-tolerant plants)

Estuarine Non-Saline (Channel banks are not dominated by salt-tolerant plants)

Estuarine Seasonal (Influenced by seasonal closures of tidal inlets)

Rivine Confined (Valley width is not at least twice channel width)

Rivine Non-confined (Valley width is at least twice channel width)

Depressional

Enter site information

The screenshot shows the 'Basic Information' section of the eCRAM application. At the top, there are navigation tabs: 'Map', 'Assessment', and 'Help'. The 'Assessment' tab is currently selected. Below the tabs, the title 'Basic Information' is centered. The main form area contains the following fields and options:

- A checkbox labeled 'Display completed assessment on website' with 'Yes' selected and 'No' unselected.
- 'Site Name' text box containing 'Huichica Creek'.
- 'Site No.' text box (empty).
- 'CRAM Group' text box containing 'SFB08' with a note '(Use to group sites)'.
- 'Date' text box containing '02/14/2008' with a calendar icon.
- 'Investigators' text box (empty).
- 'County' dropdown menu (empty).
- 'Assessment Area Size (ha)' text box containing '90982.063'.
- 'Latitude' text box containing '34.6364034913649'.
- 'Longitude' text box containing '-114.996608517147'.

At the bottom of the form, there are two buttons: 'Close' on the left and 'Help' on the right. The form has a light blue background and a white border.

[illegible]

Automatic Analysis and QA

Assessment for #963 Indian Island North

Category	Score
Aquatic	5.0
Floting	5.0
Semi-aquatic and Riparian	5.0
Short	5.0
Medium	5.0
Tall	5.0
Very Tall	5.0
Number of Plant Layers Present	5.0
Number of Co-dominant Species	5.0
Percent Invasion	5.0
Plant Community Score	5.0
Horizontal Interspersion and Zonation	5.0
Vertical Ectic Structure	5.0

Assessment for #963 Indian Island North

Category	Score
Aquatic	5.0
Floting	5.0
Semi-aquatic and Riparian	5.0
Short	5.0
Medium	5.0
Tall	5.0
Very Tall	5.0
Number of Plant Layers Present	5.0
Number of Co-dominant Species	5.0
Percent Invasion	5.0
Plant Community Score	5.0
Horizontal Interspersion and Zonation	5.0
Vertical Ectic Structure	5.0

Help

eCRAM data entry example: Completing data entry in final layer category finalizes multiple metric computations

Field Assessment Data: Enter site condition information

Buffer and Landscape Context - Percent of AA with Buffer

☐ A Buffer is 75 - 100% of AA perimeter.

☐ B Buffer is 50 - 74% of AA perimeter.

☐ C Buffer is 25 - 49% of AA perimeter.

☐ D Buffer is 0 - 24% of AA perimeter.

Close Help

Hydrology

Water Source

Hydroperiod or Channel Stability

Hydrologic Connectivity

Hydrology Score

Observational Observations

Buffer and Landscape Context - Percent of AA with Buffer

☐ A Buffer is 75 - 100% of AA perimeter.

☐ B Buffer is 50 - 74% of AA perimeter.

☐ C Buffer is 25 - 49% of AA perimeter.

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Close Help

Hydrology

Water Source

Hydroperiod or Channel Stability

Hydrologic Connectivity

Hydrology Score

Observational Observations

Field Assessment Data: Enter site condition information

eCRAM data entry example: dominant species in a vegetation layer. For each layer select species in list (by common name or scientific name) and click "add" to record a dominant. Or, if the layer is not present in the AA click the box at top right. Click "close;" data are automatically entered for the layer.

Field Assessment Data: Enter new species to list

If a dominant species is not included in the list it can be added by clicking "New," typing the name and clicking "Add." This species can be saved in the local data base. A "new" species may also be defined in order to enter a local difference for a species already in the list.

Upload CRAM data

At the end of field data-entry or after entering data from paper assessment into eCRAM, click upload bar to save completed assessment locally and/or to upload to CRAM website

View data

CRAM

Home

View Data

CRAM Home

About

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Wetland Tracker

The California Rapid Assessment Method (CRAM) is a standardized, cost-effective tool for assessing the health of wetland and estuarine habitats. CRAM software guides users through assessments that take less than an hour and lead to a simple CRAM score applicable to all wetland types. It is designed for assessing ambient conditions within watersheds, riparian, and coastal wetlands throughout the State. It can also be used to assess the performance of conservation or mitigation projects and restoration projects.

New & Featured

- Version 5.0 of the CRAM method has been released. See [Release notes](#).
- Reports on [assessments](#) available.
- Keep up with the latest CRAM developments. Join the [CRAM](#) [email newsletter](#).
- Information on [CRAM training](#).

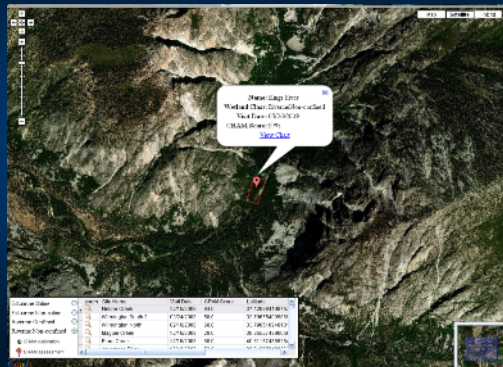
- Read more [about CRAM](#)
- [Get started](#) with CRAM
- Enter [CRAM data](#) online with [New CRAM results](#)
- Discover [CRAM documents](#)

www.cramwetlands.org

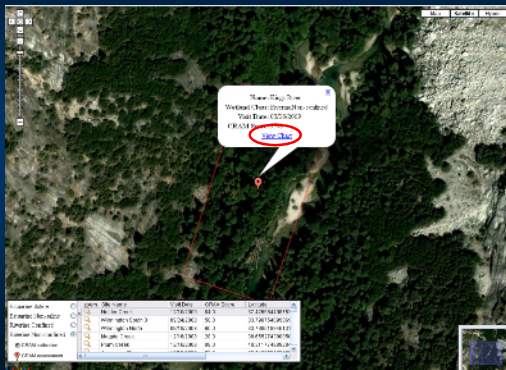
Version 5.0

View data by selecting a site

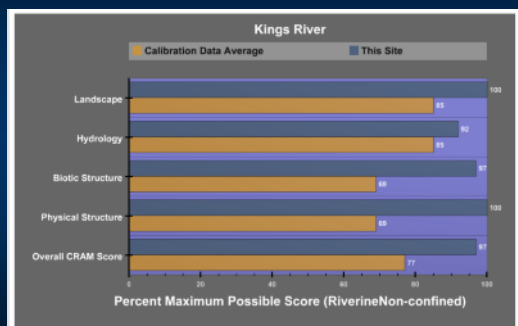
Toggle to aerial image



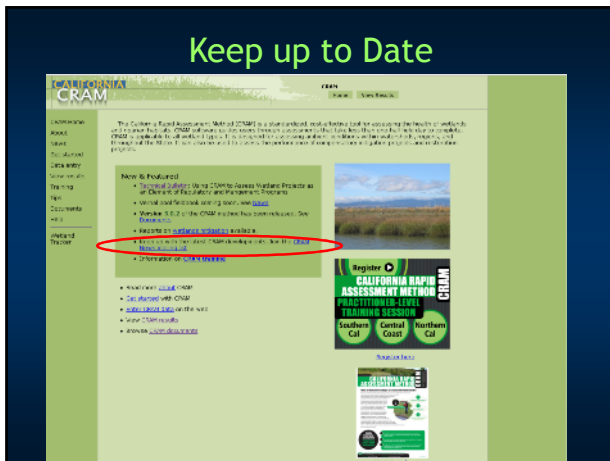
Zoom in to the Assessment Area



Compare Scores to Larger Data Set



Keep up to Date



Next Steps for the Portal

- Additional functionality via current funding
 - Merge eCRAM + Project Tracking → Portal
 - Additional reporting capability
 - CRAM reports output
 - Customized data queries and standardized reports
- Online mapping functionality
- Data entry via new user interface
 - 401 online application
- Additional data
 - Historical data
 - Level 3 data (coordinate with new 404 monitoring requirements)

Future of Tracker?

